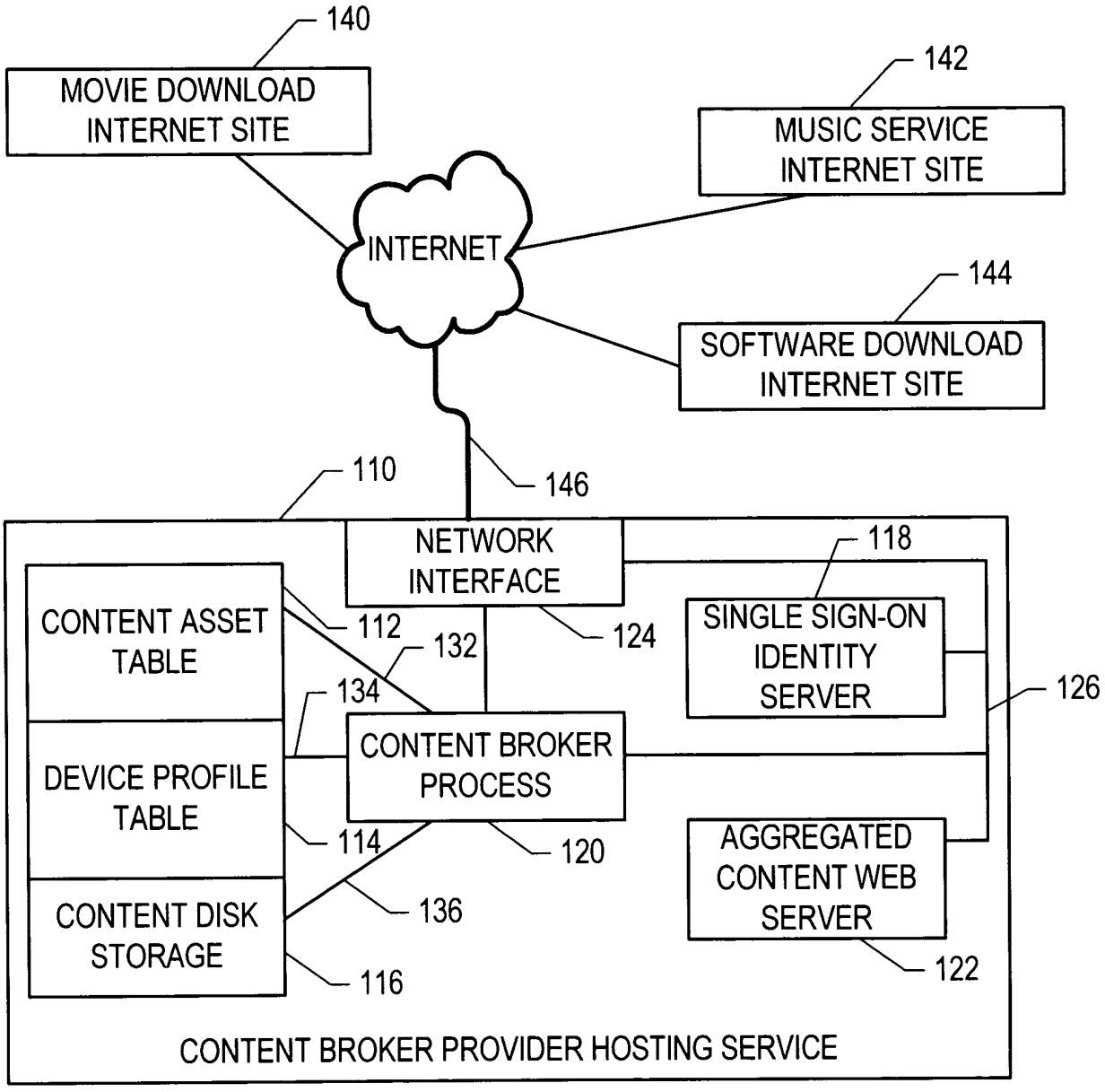
140
MOVIE DOWNLOAD INTERNET SITE
142
MUSIC SERVICE INTERNET SITE
INTERNET
144
SOFTWARE DOWNLOAD INTERNET SITE
146
110
NETWORK INTERFACE
118
CONTENT ASSET TABLE
112
132
124
SINGLE SIGN-ON IDENTITY SERVER
126
134
DEVICE PROFILE TABLE
CONTENT BROKER PROCESS
114
120
AGGREGATED CONTENT WEB SERVER
CONTENT DISK STORAGE
136
122
116
CONTENT BROKER PROVIDER HOSTING SERVICE

FIG. 1

DEVICE PROFILE TABLE

210

Device ID	Device Type	Device Characteristic	Memory Base Address	Memory High Address	Address of First Free Memory Block	Memory Type	Media Types Supported	Media Mgmt Attribute
08:00:69:02:01:FC	PC	stationary	61A8000	AFC8000	72AA000	resident	WM9 video, WM9 audio, MP3	master
07:00:85:10:20:C1	Set Top	stationary	30D4000	E09C000	56DD000	resident	WM9 video, WM9 audio, MP3, Real	slave
02:00:20:05:09:05	MP3	portable	0	3E80000	2D00000	resident	MP3	client
02:00:39:02:31:FF	camera	portable	0	FA00000	C0D0000	removable	TIFF, JPG, MPEG4	client

212 214 216 218 220 222 224 226 228

FIG. 2

MEDIA ASSET TABLE

230

Media Asset ID	Title	Category	Media Type	Media Characteristics	Usage Rights	License Key (BLOB)	Purchase Date	Distributor Purchase ID	Distributor Unique Content ID	Distributor ID
145	K19 Widowmaker	Movie/Drama	MPEG 4	360 x 240	perpetual	AFC8000	10/27/2002	348976	DVD-678	23
151	Rammstein Live	Movie/Music/ Rock	MPEG4, AC-3	640 x 480, 7.1 Dolby	rental: 48 hours	E09C000	9/28/2002	7625	EF-356	34
165	Todd Rungren Greatest Hits	Music/Pop	MP3 & WMA	128 kbps	perpetual, copy to portable device	3E80000	11/5/2002	8709-24A	3224798	34
166	Illustrator	Software/ Publishing	binary Windows executable		perpetual, execute on MAC 08:00:69:02:01:FC	FA00000	5/30/2003	AI-459-12	SW-Ad-12	204
⌇	⌇	⌇	⌇	⌇	⌇	⌇	⌇	⌇	⌇	⌇
2012	Beatles Anthology	Music/EMI	MP3	128 kbps	perpetual	3E80000	8/26/2002	54180	M-B-457	34

232 234 236 238 240 242 244 246 248 250 252

Docket No.: 1033-SS00415
Inventor: Grannan, et al.
Attorney: Jeffrey G. Toler (512) 327-5515

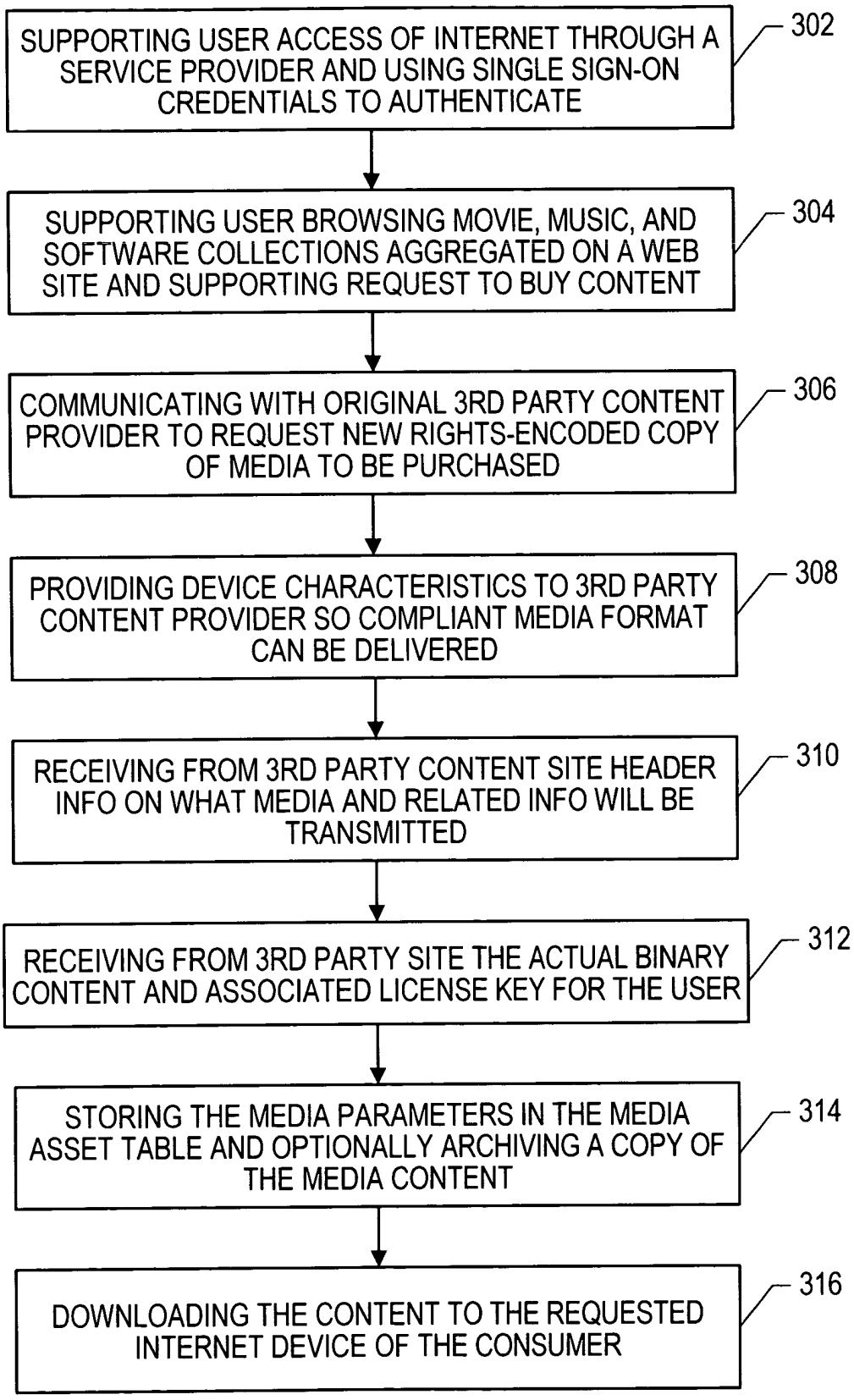
SUPPORTING USER ACCESS OF INTERNET THROUGH A SERVICE PROVIDER AND USING SINGLE SIGN-ON CREDENTIALS TO AUTHENTICATE
302
SUPPORTING USER BROWSING MOVIE, MUSIC, AND SOFTWARE COLLECTIONS AGGREGATED ON A WEB SITE AND SUPPORTING REQUEST TO BUY CONTENT
304
COMMUNICATING WITH ORIGINAL 3RD PARTY CONTENT PROVIDER TO REQUEST NEW RIGHTS-ENCODED COPY OF MEDIA TO BE PURCHASED
306
PROVIDING DEVICE CHARACTERISTICS TO 3RD PARTY CONTENT PROVIDER SO COMPLIANT MEDIA FORMAT CAN BE DELIVERED
308
RECEIVING FROM 3RD PARTY CONTENT SITE HEADER INFO ON WHAT MEDIA AND RELATED INFO WILL BE TRANSMITTED
310
RECEIVING FROM 3RD PARTY SITE THE ACTUAL BINARY CONTENT AND ASSOCIATED LICENSE KEY FOR THE USER
312
STORING THE MEDIA PARAMETERS IN THE MEDIA ASSET TABLE AND OPTIONALLY ARCHIVING A COPY OF THE MEDIA CONTENT
314
DOWNLOADING THE CONTENT TO THE REQUESTED INTERNET DEVICE OF THE CONSUMER
316

FIG. 3

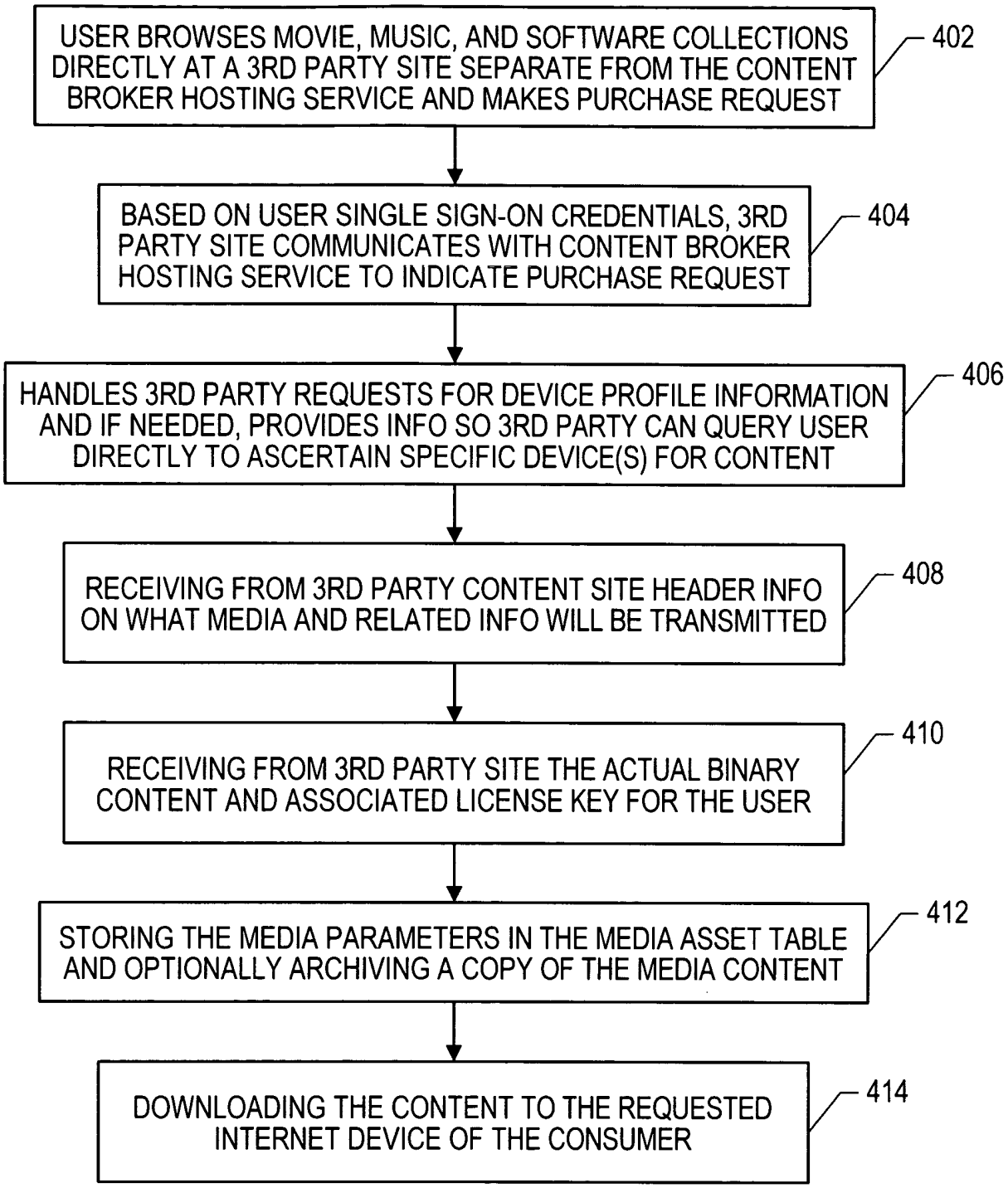
USER BROWSES MOVIE, MUSIC, AND SOFTWARE COLLECTIONS DIRECTLY AT A 3RD PARTY SITE SEPARATE FROM THE CONTENT BROKER HOSTING SERVICE AND MAKES PURCHASE REQUEST
402
BASED ON USER SINGLE SIGN-ON CREDENTIALS, 3RD PARTY SITE COMMUNICATES WITH CONTENT BROKER HOSTING SERVICE TO INDICATE PURCHASE REQUEST
404
HANDLES 3RD PARTY REQUESTS FOR DEVICE PROFILE INFORMATION AND IF NEEDED, PROVIDES INFO SO 3RD PARTY CAN QUERY USER DIRECTLY TO ASCERTAIN SPECIFIC DEVICE(S) FOR CONTENT
406
RECEIVING FROM 3RD PARTY CONTENT SITE HEADER INFO ON WHAT MEDIA AND RELATED INFO WILL BE TRANSMITTED
408
RECEIVING FROM 3RD PARTY SITE THE ACTUAL BINARY CONTENT AND ASSOCIATED LICENSE KEY FOR THE USER
410
STORING THE MEDIA PARAMETERS IN THE MEDIA ASSET TABLE AND OPTIONALLY ARCHIVING A COPY OF THE MEDIA CONTENT
412
DOWNLOADING THE CONTENT TO THE REQUESTED INTERNET DEVICE OF THE CONSUMER
414

FIG. 4

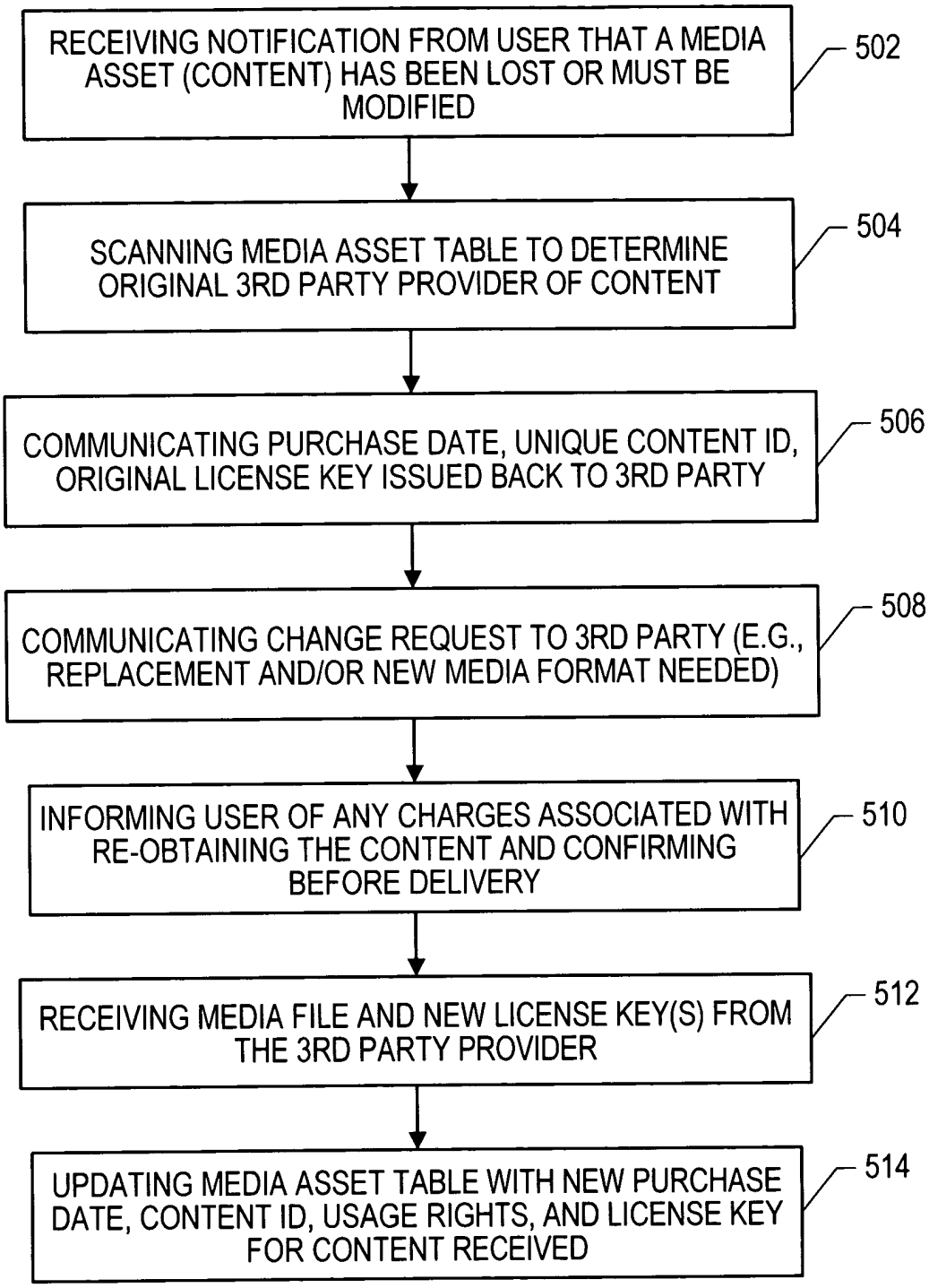
RECEIVING NOTIFICATION FROM USER THAT A MEDIA ASSET (CONTENT) HAS BEEN LOST OR MUST BE MODIFIED
502
SCANNING MEDIA ASSET TABLE TO DETERMINE ORIGINAL 3RD PARTY PROVIDER OF CONTENT
504
COMMUNICATING PURCHASE DATE, UNIQUE CONTENT ID, ORIGINAL LICENSE KEY ISSUED BACK TO 3RD PARTY
506
COMMUNICATING CHANGE REQUEST TO 3RD PARTY (E.G., REPLACEMENT AND/OR NEW MEDIA FORMAT NEEDED)
508
INFORMING USER OF ANY CHARGES ASSOCIATED WITH RE-OBTAINING THE CONTENT AND CONFIRMING BEFORE DELIVERY
510
RECEIVING MEDIA FILE AND NEW LICENSE KEY(S) FROM THE 3RD PARTY PROVIDER
512
UPDATING MEDIA ASSET TABLE WITH NEW PURCHASE DATE, CONTENT ID, USAGE RIGHTS, AND LICENSE KEY FOR CONTENT RECEIVED
514

FIG. 5